81054

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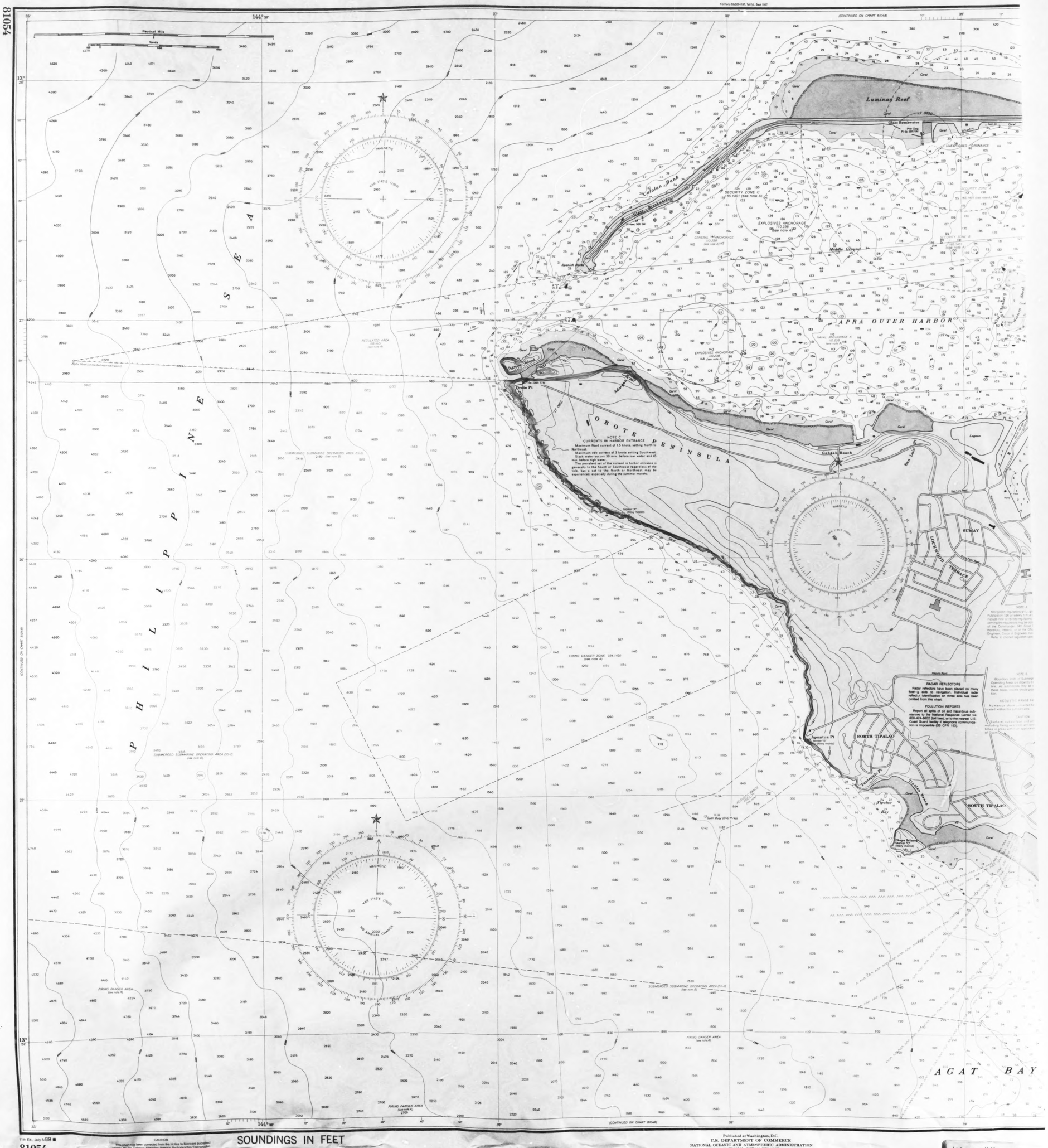
144° 36'
144° 38'
13° 28'
13° 24'
Nautical Miles
Yards
CONTINUED ON CHART 81048
CONTINUED ON CHART 81046
MAGNETIC
VAR 1°45'E (1990)
NO ANNUAL CHANGE
PHILIPPINE SEA
APRA OUTER HARBOR
OROTE PENINSULA
Luminag Reef
Glass Breakwater
Calalan Bank
Middle Ground
Spanish Rocks
Orote Pt
Adelup Point
Gabgab Beach
Lagoon
SUMAY
LOCKWOOD TERRACE
NORTH TIPALAO
SOUTH TIPALAO
Apuntus Pt
Tanapag Pt
Tipalao Bay
Nupe Island
AGAT BAY
SECURITY ZONE C
165.1401 (see note A)
EXPLOSIVES ANCHORAGE
110.236
(see note A)
GENERAL ANCHORAGE
110.238
(see note A)(2)
NAVAL ANCHORAGE A
110.238
(see note A)(3)
NOTE C
CURRENTS IN HARBOR ENTRANCE
Maximum flood current of 1.5 knots, setting North to Northeast.
Maximum ebb current of 3 knots setting Southwest. Slack water occurs 30 min. before low water and 45 min. before high water.
The prevalent set of the current in harbor entrance is generally to the South or Southwest regardless of the tide, but a set to the North or Northeast may be experienced, especially during the summer months.
RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflectors identification on three aids has been omitted from this chart.
POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).
SUBMERGED SUBMARINE OPERATING AREA (SS-2)
(see note B)
FIRING DANGER AREA
(see note A)
FIRING DANGER ZONE 334.1420
(see note A)
REGULATED AREA
(see note A)
Orote Point (unmarked approach point)
Apra Harbor (unmarked approach point)
Outer Apra Harbor Entrance Lighted Buoy
Glass Breakwater Lighted Buoy
Orote Point Lighted Buoy
Apra Harbor Entrance Lighted Buoy
Apra Harbor Entrance Lighted Buoy
Apra Harbor Entrance

SOUNDINGS IN FEET

Nautical Chart Catalog No. 2, Panel B

Formerly C&GS 4197, 1st Ed., Sept 1967

(CONTINUED ON CHART 81048)
144° 40' East from Greenwich
NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continue change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG2), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.
Thomas J. Maginnis
Assistant Administrator for Ocean Services and Coastal Zone Management
Luminao Reef
Outer Breakwater
Calalan Bank
Inner Breakwater
Cabras Island
Commercial Port
Piti Channel
Pol Causeway
Drydock Point
Cabras Island Channel
Spanish Rocks
Middle Ground
APRA OUTER HARBOR
Glass Breakwater
Orote Cut
Orote Channel
Polaris Point
NOTE E
Depths of 3 feet have been reported in Piti Channel. Mariners in this area are advised to proceed with extreme caution.
NOTE C
CURRENTS IN HARBOR ENTRANCE
Maximum flood current of 1.5 knots, setting North to Northeast.
Maximum ebb current of 3 knots setting Southeast. Slack water occurs 30 min. before low water and 45 min. before high water.
The prevalent set of the current in harbor entrance is generally to the South or Southwest regardless of the tide, but a set to the North or Northeast may be experienced, especially during the summer months.
OROTE PENINSULA
Gabgab Beach
SUMAY
LOCKWOOD TERRACE
NOTE A
Navigation regulations are published in DMAHTC Publication 126 or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii, or at the Office of the District Engineer, Corps of Engineers, Honolulu, Hawaii. Refer to charted regulation section numbers.
NOTE B
Boundary limits of Submerged Submarine Operating Areas are shown by a solid magenta line. As submarines may be submerged, in these areas, vessels should proceed with caution.
ACOUSTIC RANGE FACILITY
Numerous shore connected bottom cables are located within the outlined area.
CAUTION
Surface, subsurface, and aircraft operations including firing exercises are conducted at various times in areas within an approximate 220 mile radius of Guam.
RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from the chart.
POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).
APRA INNER HARBOR
Agana River
Big Gaan River
Tenjo River
Abe Cove
NORTH TIPALAO
SOUTH TIPALAO
Apuntus Pt
Tanguisson Pt
Tipalao Bay
Tipalao Beach
Naye Island
CAMP BRIGHT
CAMP ROXAS
Dadi Beach
Apaca Pt
Polaris Point
ATUJA
TUBORA
TUMALAGLAGO
CERAIN
A G A T B A Y
Agana River
Mangrove Bay
Mangrove River
Mangrove
Laguna
Sun Luis Pier
Sun Luis Road
Hospital Road
Tipalao Road
Tanguisson Road
Marker "A" (Navy marker)
Marker "B" (Navy marker)
Buoy (240 ft rad)
Light
Wharf
Pier
Causeway
Coral
Sand
Rock
Mangrove
Submerged Submarine Operating Area (SS-2)
Firing Danger Zone 334.1400 (see note A)
Firing Danger Area (see note A)
Security Zone A 165.1401 (see note A)
Security Zone B 165.1401 (see note A)
Security Zone C 165.1401 (see note A)
General Anchorage 110.238 (see note A)
Explosives Anchorage 110.238 (see note A)
Naval Anchorage A 110.238 (see note A)
Naval Anchorage B 110.238 (see note A)
Restricted Area 334.1400
Explosives Anchorage 110.238 (see note A)
Anchorage (see note C)
Anchorage (see note D)
Anchorage (see note E)
PACIFIC OCEAN
MARIANA ISLANDS
APRA HARBOR
ISLAND OF GUAM
TERRITORY OF GUAM
Mercator Projection
Scale 1:10,000 at Lat. 13°27'
World Geodetic System, 1984
(North American Datum of 1983)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER
TIDAL INFORMATION
Place | Name | (Lat/Long) | Height referred to datum of soundings (MLLW): Mean Higher High Water | Mean High Water | Mean Low Water | Extreme Low Water
Guam (Apra Harbor) | (13°26'N/144°39'E) | feet 2.4 | feet 2.0 | feet — | feet -2.0
(1984)
For Symbols and Abbreviations see Chart No. 1
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus
HEIGHTS
Elevations of rocks and lights are in feet and refer to Mean High Water. Contour and summit elevation values are in feet and refer to Mean Sea Level.
AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, Defense Mapping Agency, and Department of the Navy.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on the chart. See Notice to Mariners.
SUPPLEMENTAL INFORMATION
Consult Defense Mapping Agency Pub. 126 for important supplemental information.
HORIZONTAL DATUM
The horizontal reference datum of this chart is World Geodetic System 1984 (WGS 84) and for charting purposes is considered equivalent to the North American Datum 1983 (NAD 83). Geographic positions referred to the Guam 1963 Datum must be corrected an average of 3.000" northward and 4.700" eastward to agree with this chart.
STORM WARNINGS
The National Weather Service displays storm warnings at the following approximate locations:
Apra Harbor, Sunny Cove Marina (13°28.2'-144°39.1')
Agana Bay, Agana Boat Basin (13°28.7'-144°45.0')
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical mi's run in 15 minutes, the speed is 16.0 knots.
Nautical Mile
Yards
NOTE D
CAUTION
Inactive craft may be anchored in the area south of Drydock Point and north of latitude 13°26'51". The craft are unlighted except for aircraft warning lights.
WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.
144° 40' East from Greenwich
(CONTINUED ON CHART 81048)

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

(Apra Harbor)
SOUNDINGS IN FEET – SCALE 1:10,000

81054

DMA STOCK NO. BTHAPRA

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